

3-3 Assignment: Proving Lines Parallel

1. $m \parallel n$; Conv. of Alt. Int. \angle s Thm.
2. $m \parallel n$; Conv. of Same-Side Int. \angle s Thm.
3. $m \parallel n$; Conv. of Corr. \angle s Post
4. $m \parallel n$; Conv. of Alt. Ext. \angle s Thm.
5. m and n can not be proved parallel.
6. There are various answers, but you should have used the linear pair theorem, the congruent supplements theorem, the transitive property of congruence and the converse of the corresponding angles postulate.
7. Conv. of Same-Side Int. \angle s Thm.
8. A
9. J
10. Conv. of the Alt. Int. \angle s Thm
11. Conv. of the Same-Side Int. \angle s Thm
12. 9
13. 22
14. There are multiple correct answers.
15. Yes, there are multiple correct explanations.